

Title (en)

Method and arrangement for calibrating an active filter

Title (de)

Verfahren und Anordnung zur Kalibrierung eines aktiven Filters

Title (fr)

Procédé et dispositif d'étalonnage d'un filtre actif

Publication

**EP 0910165 A2 19990421 (EN)**

Application

**EP 98660104 A 19981015**

Priority

FI 973963 A 19971015

Abstract (en)

The invention relates to a calibration method and a calibration arrangement for an active filter intended to be used especially in portable radio apparatus. The filter (100) according to the invention is an active RC filter and it is integrated except for one or more of its capacitances or one or more of its resistances. Advantageously the highest capacitance or the highest resistance is left unintegrated. when using an external capacitance, the principle of the calibration is as follows: The integrated resistances are corrected using a common coefficient such that the external capacitance together with the integrated resistances produces the correct time constants (1). Then the integrated capacitances are corrected using a common coefficient such that they together with the internal resistances that were corrected in the previous phase produce the correct time constants (2). If the filter comprises multiple circuit stages, the two-phase calibration process described above is repeated for each circuit stage. <IMAGE>

IPC 1-7

**H03H 11/12**

IPC 8 full level

**H03H 11/12** (2006.01)

CPC (source: EP US)

**H03H 11/12** (2013.01 - EP US); **H03H 11/1291** (2013.01 - EP US)

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Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

**EP 0910165 A2 19990421**; **EP 0910165 A3 20020529**; **EP 0910165 B1 20031210**; DE 69820383 D1 20040122; DE 69820383 T2 20041014; FI 103744 B1 19990831; FI 103744 B 19990831; FI 973963 A0 19971015; FI 973963 A 19990416; US 2001045864 A1 20011129; US 7113028 B2 20060926

DOCDB simple family (application)

**EP 98660104 A 19981015**; DE 69820383 T 19981015; FI 973963 A 19971015; US 17251098 A 19981014